

**To:** Argyropoulos, Paul[Argyropoulos.Paul@epa.gov]  
**From:** Brooke Coleman  
**Sent:** Tue 4/22/2014 8:48:55 PM  
**Subject:** RE: EPA final revision of 2013 cellulosic RVOs

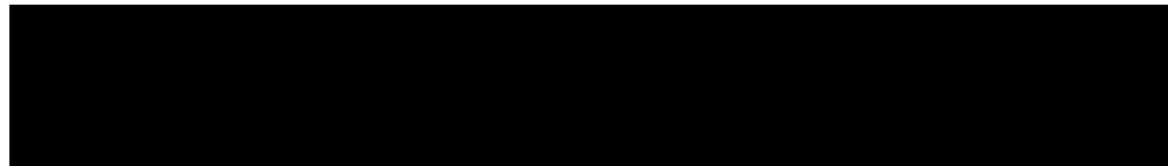
OK

----- Original message -----

From: "Argyropoulos, Paul"  
Date: 04/22/2014 4:42 PM (GMT-05:00)  
To: Brooke Coleman  
Subject: Re: EPA final revision of 2013 cellulosic RVOs

Tell her to read the notice.....in valid RINs

Paul Argyropoulos  
Senior Policy Advisor  
US EPA  
Office of Transportation and Air Quality  
Mobile: 202-577-9354



? I dunno

----- Original message -----

From: Tiffany Stecker  
Date: 04/22/2014 4:27 PM (GMT-05:00)  
To: Brooke Coleman  
Subject: EPA final revision of 2013 cellulosic RVOs

Hi Brooke,

I'm wondering why the 810,185 ethanol-equivalent gallons chosen by EPA to be the correct number is about 8,000 gallons less than what EMTS shows. Could it be that EMTS is incorrect, or that there is some kind of strategic reason behind this? Or did I get my math wrong? thanks

**Tiffany Stecker**

Reporter, ClimateWire

202-446-0465 (Desk)

202-701-6801 (Mobile)

tstecker@eenews.net

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EnergyWire, ClimateWire, E&E Daily, Greenwire, E&ENews PM, E&ETV

**To:** Argyropoulos, Paul[Argyropoulos.Paul@epa.gov]  
**From:** Brooke Coleman  
**Sent:** Tue 4/22/2014 8:31:24 PM  
**Subject:** Fwd: EPA final revision of 2013 cellulosic RVOs

? I dunno

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Date: 04/22/2014 4:27 PM (GMT-05:00)  
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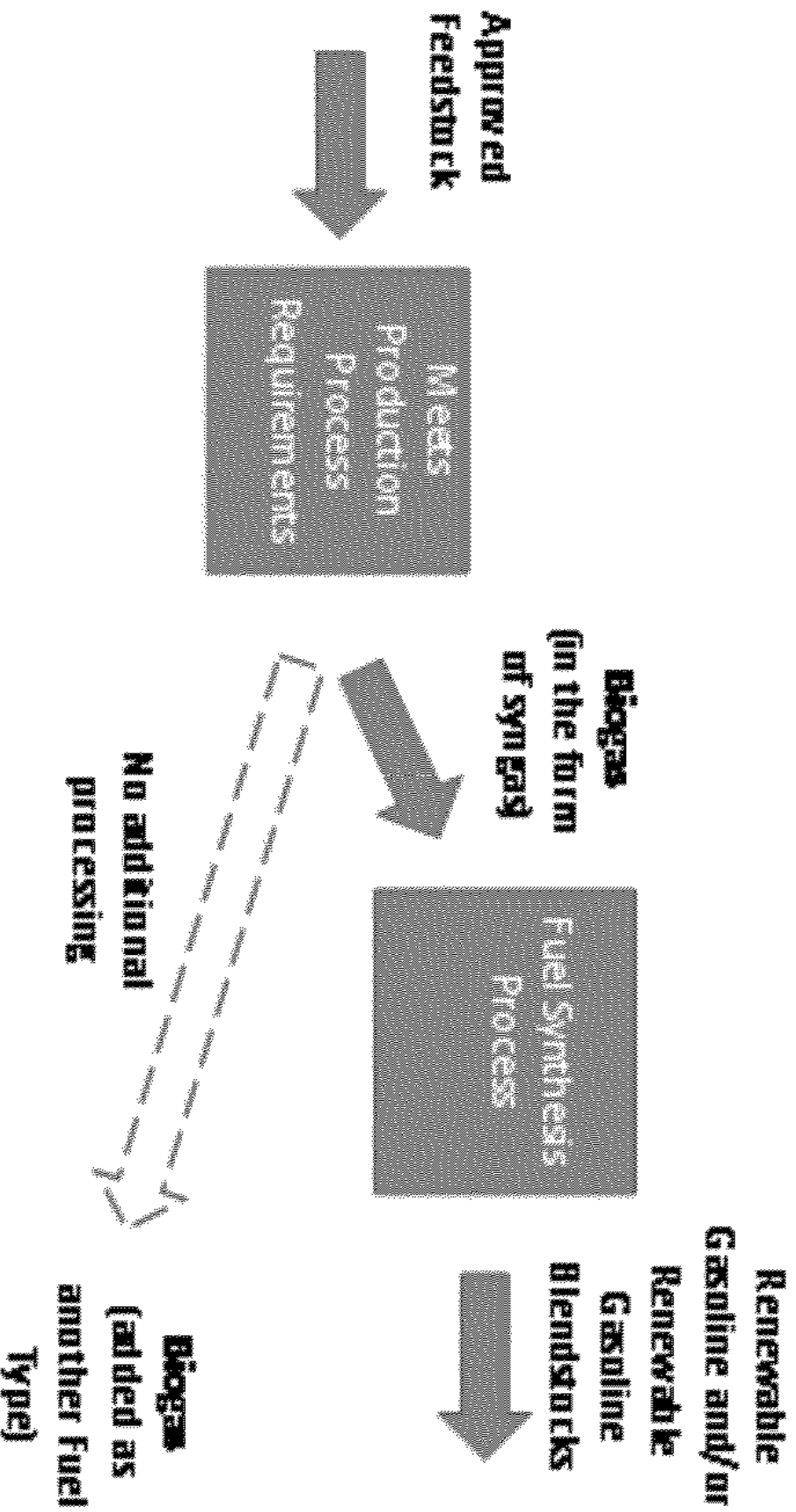
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# Current “M” pathway



**To:** Argyropoulos, Paul[Argyropoulos.Paul@epa.gov]  
**From:** Michael.McAdams@hklaw.com  
**Sent:** Tue 4/22/2014 7:47:36 PM  
**Subject:** Re: Draft Pre-Application Template for Sundrop

Thanks Paul. Welcome back hope you had a good week. I can be reached at

EPA (b) (6)

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Sent using BlackBerry

**From:** Argyropoulos, Paul [mailto:Argyropoulos.Paul@epa.gov]  
**Sent:** Tuesday, April 22, 2014 03:31 PM Eastern Standard Time  
**To:** McAdams, Michael J (WAS - X75140)  
**Subject:** Re: Draft Pre-Application Template for Sundrop

Mike. We should chat. Also just sent announcement about revised 2013 cellulosic standard. Tried calling you. Need your mobile number.

Paul Argyropoulos  
Senior Policy Advisor  
US EPA  
Office of Transportation and Air Quality  
Mobile: 202-577-9354

Arron. Thanks for your guidance. Let's try starting with some common sense. You have already approved the pathway for thermal chemical with any backend up grade unit which is listed in the table. The only difference is the graph we sent you removes the back end unit and gives an option of utilizing the biogas from the biomass feedstock and removes the extra step of converting the biogas to syththentic gasoline.

We would be happy to resunmitt the entire front end of the process which you have already approved and listed in the table. Our effort here is to also list the biogas so that someone who spends significant capital can compete with landfill generated biogas.

I will speak to mr simons dig out the original submission which I assumed you kept and delete the backend unit which will lower the ghg footprint due to the reduction in the use of energy.

Thank you.

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Sent using BlackBerry

**From:** Levy, Aaron [mailto:Levy.Aaron@epa.gov]  
**Sent:** Friday, April 11, 2014 05:06 PM Eastern Standard Time  
**To:** McAdams, Michael J (WAS - X75140)

**Cc:** Argyropoulos, Paul <Argyropoulos.Paul@epa.gov>; Camobreco, Vincent <Camobreco.Vincent@epa.gov>; Lie, Sharyn <Lie.Sharyn@epa.gov>; wayne.simmons@sundropfuels.com <wayne.simmons@sundropfuels.com>  
**Subject:** Draft Pre-Application Template for Sundrop

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We have discussed internally and decided that to provide an informed response we will need additional information about the fuel pathway under consideration. As part of our efforts to improve the petition process, we are in the early stages of considering the use of a pre-application template for parties that have questions about whether their fuel is eligible to generate RINs using an existing pathway, whether it is appropriate to submit a petition, and/or whether there are special issues that need to be addressed.

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Attached is a draft beta-test version of the pre-application. We ask that you work with Sundrop to provide the requested information. You can return it to me via email. As this is a draft version we ask that you not circulate it to other parties except for Sundrop at this point. **Please**

**be sure to indicate if any of the information provided is CBI.**

Let me know if you have any questions. We welcome your input on this pre-application idea, especially any specific recommendations you may have for making it as useful as possible for the public and EPA.

Regards,

Aaron Levy

Transportation and Climate Division (TCD)

Office of Transportation and Air Quality (OTAQ)

U.S. Environmental Protection Agency (EPA)

levy.aaron@epa.gov, 734-214-4586

**From:** [Michael.McAdams@hklaw.com](mailto:Michael.McAdams@hklaw.com) [mailto:[Michael.McAdams@hklaw.com](mailto:Michael.McAdams@hklaw.com)]

**Sent:** Wednesday, March 19, 2014 10:55 AM

**To:** Argyropoulos, Paul; Camobreco, Vincent

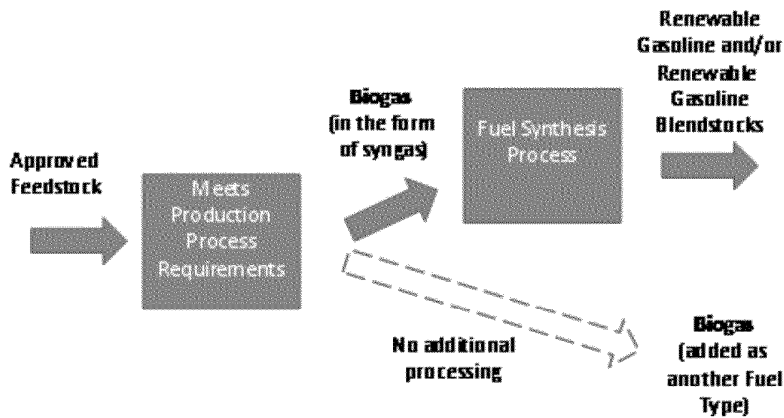
**Cc:** [Wayne.Simmons@sundropfuels.com](mailto:Wayne.Simmons@sundropfuels.com)

**Subject:** Pathways 2 rule

Paul, Vince: Hope you are well. I am attaching a flow diagram from Sundrop Fuels which identifies an opportunity we wanted to bring to your attention. In looking at the pathway list we wanted to know whether there may be an opportunity in light of your new priorities to amend the pathways list to include biogas as a fuels type on the chart for pathway M. Allowing them this additional option could actually potential facilitate more available biogas for RIN production since their facility is located directly next to the natural gas pipeline. We are unclear, whether the current listing which only mentions renewable gasoline would allow this option without further regulatory action. Below you will find the diagram which is also attached. The blude boxes represent the currently approved Pathway M. We have added the arrow which designates the process flow diagram representing the biogas route eliminating the fuels processing piece. Thanks for your consideration. Happy to answer any questions.



## Current "M" pathway



**Michael McAdams** | Holland & Knight  
Sr Policy Advisor  
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Phone 202.469.5140 | Fax 202.955.5564  
[michael.mcadams@hklaw.com](mailto:michael.mcadams@hklaw.com) | [www.hklaw.com](http://www.hklaw.com)

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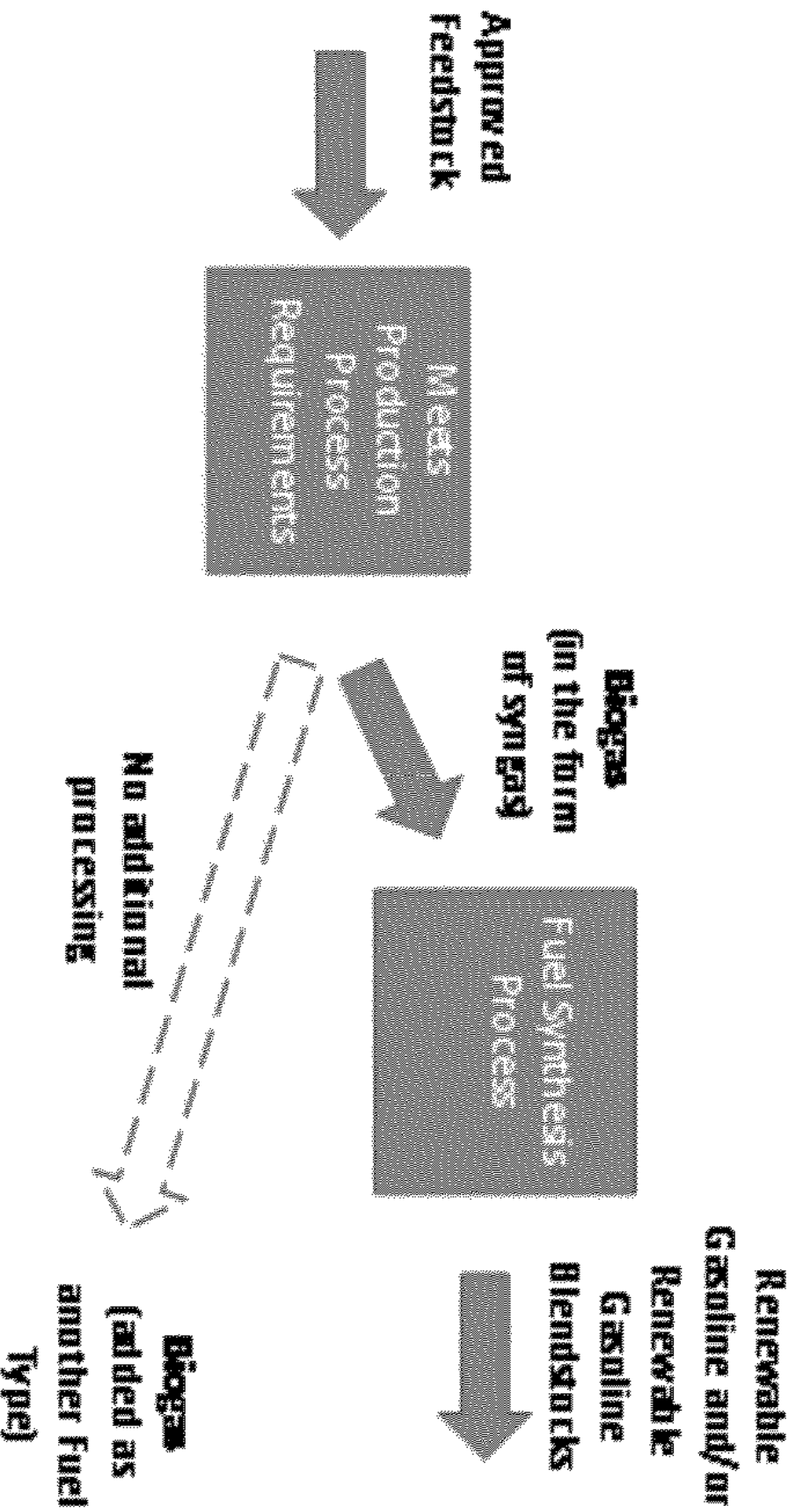
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# Current “M” pathway



**To:** Grundler, Christopher[grundler.christopher@epa.gov]  
**Cc:** Argyropoulos, Paul[Argyropoulos.Paul@epa.gov]  
**From:** Brooke Coleman  
**Sent:** Sun 4/20/2014 9:02:08 PM  
**Subject:** RE: Got your message

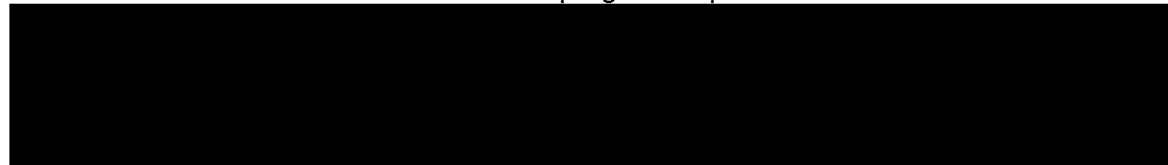
Thx. Just emailed the group telling them no meeting with you guys on Tuesday but that there would be a call for us to update you on progress and vice versa. I would love to get that on the schedule as soon as we can as this pending proposal has everyone on edge. Not sure we can do it during the conference Mon-Wed, but soon thereafter would be great. thx, -b

---

**From:** Grundler, Christopher [grundler.christopher@epa.gov]  
**Sent:** Saturday, April 19, 2014 7:47 AM  
**To:** Brooke Coleman  
**Cc:** Argyropoulos, Paul  
**Subject:** Re: Got your message

Paul is back Monday. We can arrange a call, especially if one of your firms have updated information on 2014 volumes we'd love to hear it, privately of course. My expert will be at the advanced conference next week

Christopher Grundler, Director  
Office of Transportation and Air Quality  
U.S. Environmental Protection Agency  
202.564.1682 (DC)  
734.214.4207 (Ann Arbor)  
[www.epa.gov/otaq](http://www.epa.gov/otaq)



Hey Chris,

Thanks for this. I would still like to come in there and check in with a few people but if it's not going to happen at this point I should probably tell my members today. As I said, I was reacting to radio silence, not necessarily not getting a meeting. I am trying to manage angst and they want to see where you are. If not a meeting maybe a 30 minute call sometime soon in which people can call in for an update?

**From:** Grundler, Christopher [mailto:grundler.christopher@epa.gov]  
**Sent:** Wednesday, April 16, 2014 9:24 AM  
**To:** Brooke Coleman


**Subject:** Got your message

Paul A is out all week and Paul M was out all last week. We are not ignoring you. We are, however, running very fast. Will call you later about next week. I am not in DC next week

**To:** Brooke Coleman[BColeman@advancedethanol.org]  
**Cc:** Argyropoulos, Paul[Argyropoulos.Paul@epa.gov]  
**From:** Grundler, Christopher  
**Sent:** Sat 4/19/2014 11:47:37 AM  
**Subject:** Re: Got your message

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**To:** Simon, Karl[Simon.Karl@epa.gov]  
**Cc:** Argyropoulos, Paul[Argyropoulos.Paul@epa.gov]  
**From:** Brooke Coleman  
**Sent:** Mon 4/14/2014 6:36:36 PM  
**Subject:** beggin?

Hey Karl and Paul,

Been trying to track you guys down for a meeting with some of my companies on the 21st (afternoon maybe) or 22nd of this month. Happy to combine with other meetings from say a BIO or something if it saves you time. Goal is to discuss where we (you) and we (we) are in this process. Can we get something going? I need to know really soon b/c travel schedules. And I am happy to beg (I am on one knee typing one handed right now). -b

**To:** Levy, Aaron[Levy.Aaron@epa.gov]  
**Cc:** Argyropoulos, Paul[Argyropoulos.Paul@epa.gov]; Camobreco, Vincent[Camobreco.Vincent@epa.gov]; Lie, Sharyn[Lie.Sharyn@epa.gov]; wayne.simmons@sundropfuels.com[wayne.simmons@sundropfuels.com]  
**From:** Michael.McAdams@hklaw.com  
**Sent:** Sat 4/12/2014 12:40:54 PM  
**Subject:** Re: Draft Pre-Application Template for Sundrop

Arron. Thanks for your guidance. Let's try starting with some common sense. You have already approved the pathway for thermal chemical with any backend up grade unit which is listed in the table. The only difference is the graph we sent you removes the back end unit and gives an option of utilizing the biogas from the biomass feedstock and removes the extra step of converting the biogas to syththentic gasoline.

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**From:** Levy, Aaron [mailto:Levy.Aaron@epa.gov]  
**Sent:** Friday, April 11, 2014 05:06 PM Eastern Standard Time  
**To:** McAdams, Michael J (WAS - X75140)  
**Cc:** Argyropoulos, Paul <Argyropoulos.Paul@epa.gov>; Camobreco, Vincent <Camobreco.Vincent@epa.gov>; Lie, Sharyn <Lie.Sharyn@epa.gov>; wayne.simmons@sundropfuels.com <wayne.simmons@sundropfuels.com>  
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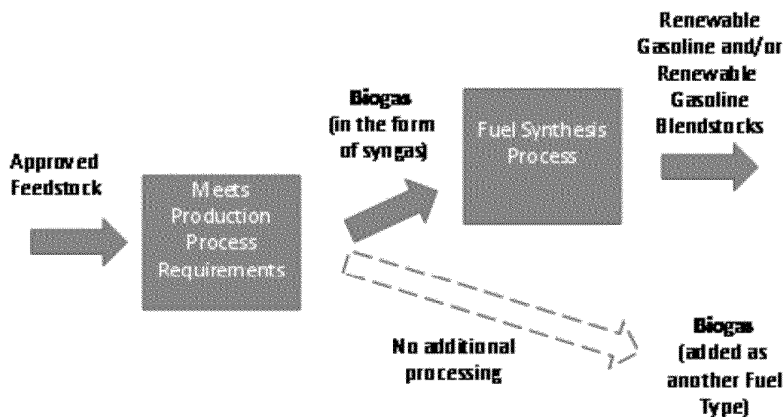
U.S. Environmental Protection Agency (EPA)

levy.aaron@epa.gov, 734-214-4586

**From:** [Michael.McAdams@hklaw.com](mailto:Michael.McAdams@hklaw.com) [mailto:[Michael.McAdams@hklaw.com](mailto:Michael.McAdams@hklaw.com)]  
**Sent:** Wednesday, March 19, 2014 10:55 AM  
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**Cc:** [Wayne.Simmons@sundropfuels.com](mailto:Wayne.Simmons@sundropfuels.com)  
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Paul, Vince: Hope you are well. I am attaching a flow diagram from Sundrop Fuels which identifies an opportunity we wanted to bring to your attention. In looking at the pathway list we wanted to know whether there may be an opportunity in light of your new priorities to amend the pathways list to include biogas as a fuels type on the chart for pathway M. Allowing them this additional option could actually potential facilitate more available biogas for RIN production since their facility is located directly next to the natural gas pipeline. We are unclear, whether the current listing which only mentions renewable gasoline would allow this option without further regulatory action. Below you will find the diagram which is also attached. The blude boxes represent the currently approved Pathway M. We have added the arrow which designates the process flow diagram representing the biogas route eliminating the fuels processing piece. Thanks for your consideration. Happy to answer any questions.

## Current "M" pathway



**Michael McAdams | Holland & Knight**

Sr Policy Advisor

800 17th Street, NW Suite 1100 | Washington DC 20006

Phone 202.469.5140 | Fax 202.955.5564

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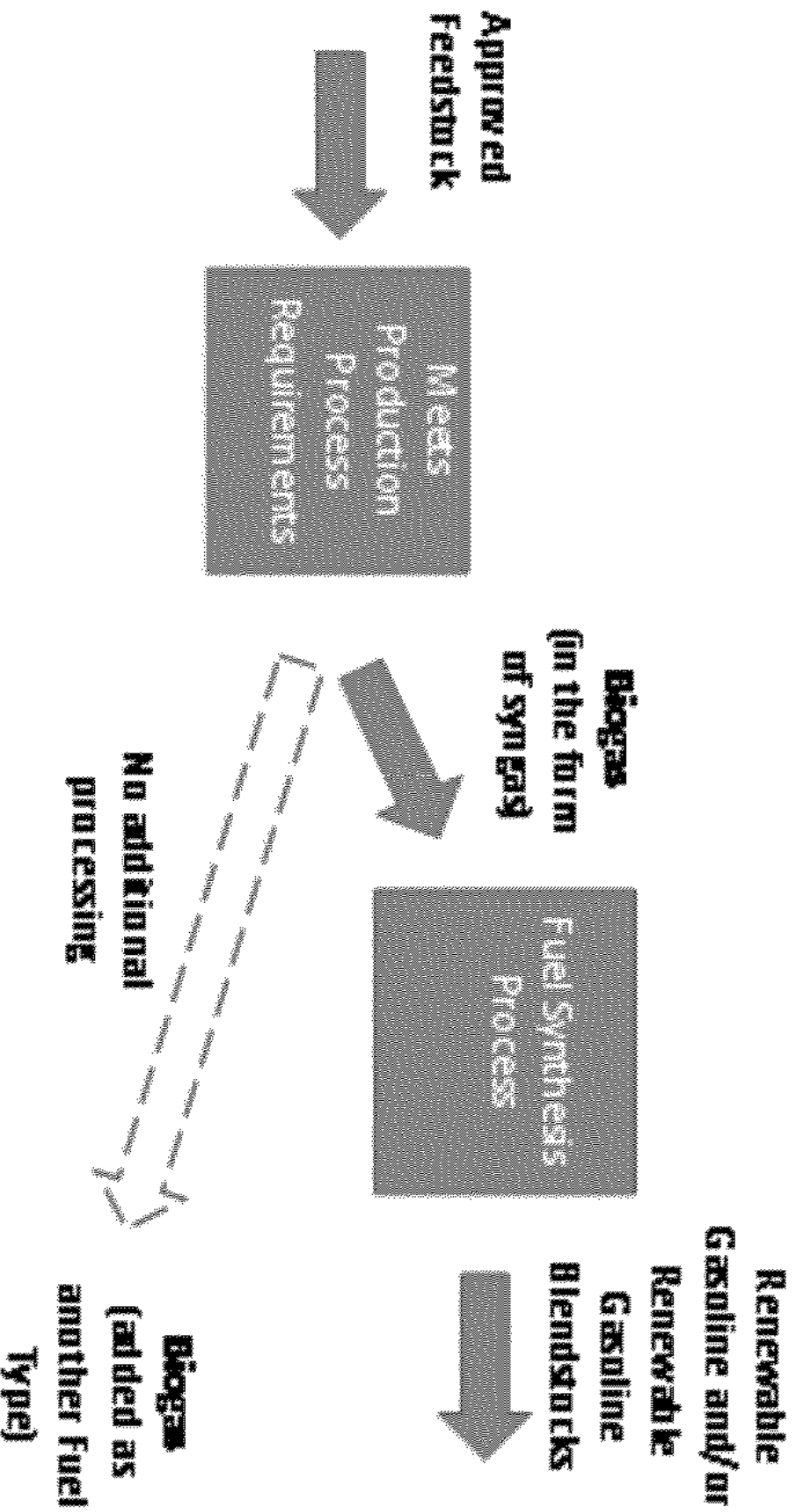
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# Current “M” pathway



**To:** michael.mcadams@hklaw.com[michael.mcadams@hklaw.com]  
**Cc:** Argyropoulos, Paul[Argyropoulos.Paul@epa.gov]; Camobreco, Vincent[Camobreco.Vincent@epa.gov]; Lie, Sharyn[Lie.Sharyn@epa.gov]; wayne.simmons@sundropfuels.com[wayne.simmons@sundropfuels.com]  
**From:** Levy, Aaron  
**Sent:** Fri 4/11/2014 9:06:58 PM  
**Subject:** Draft Pre-Application Template for Sundrop  
[Draft Pre-Application Template 4-11-14 for Sundrop.docx](#)

Hello Michael,

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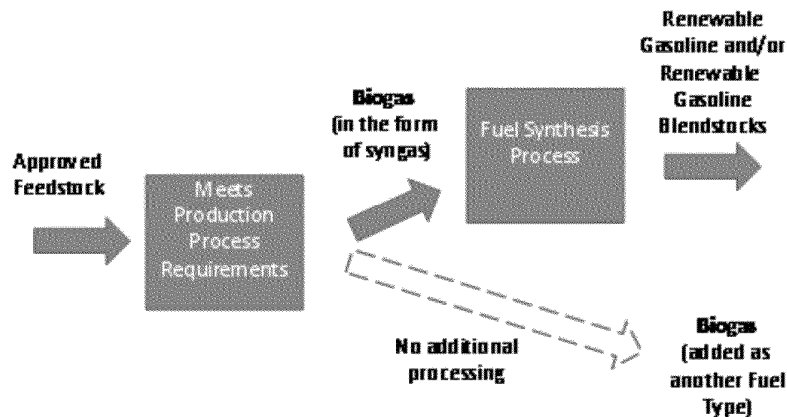
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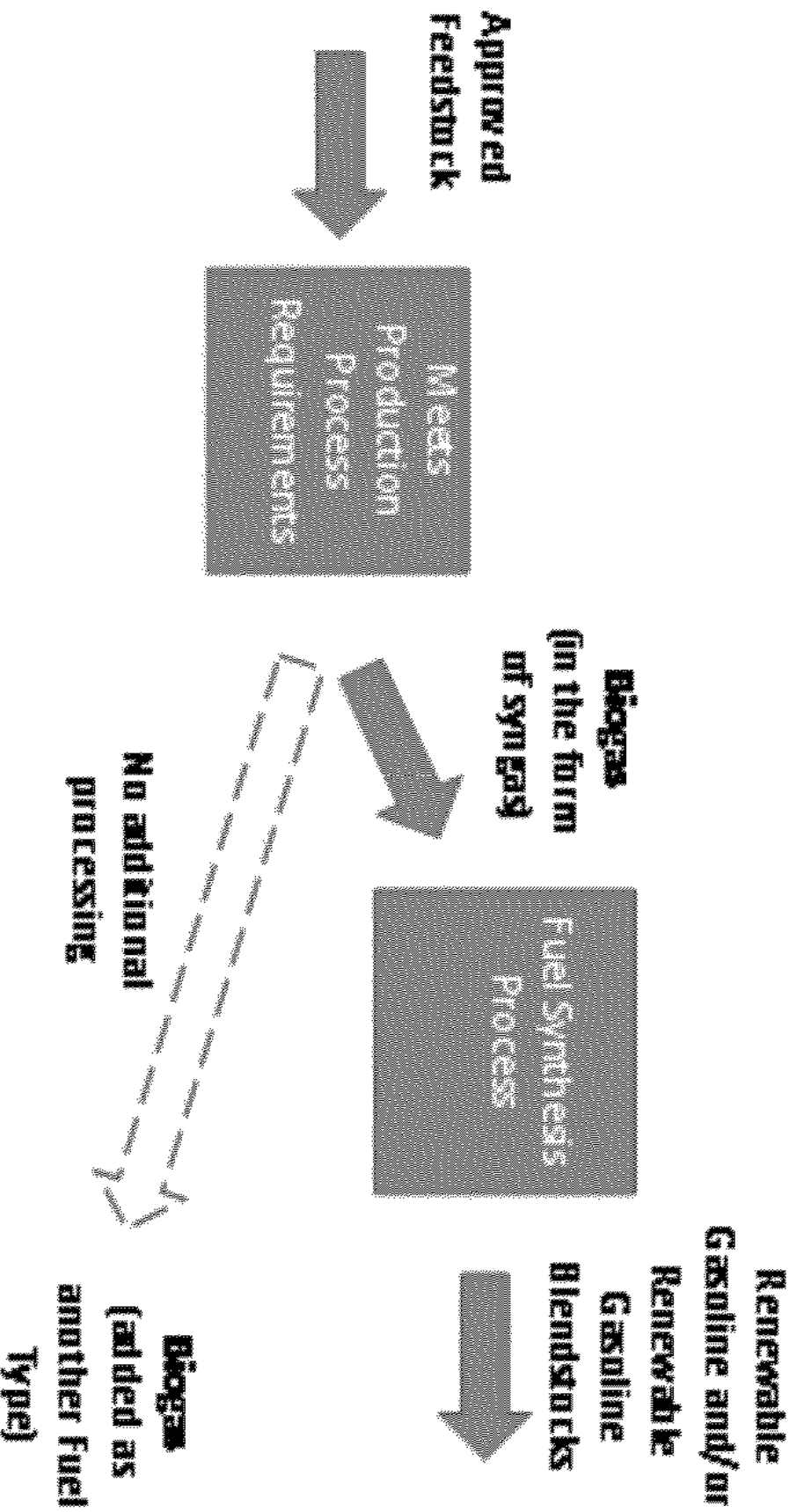
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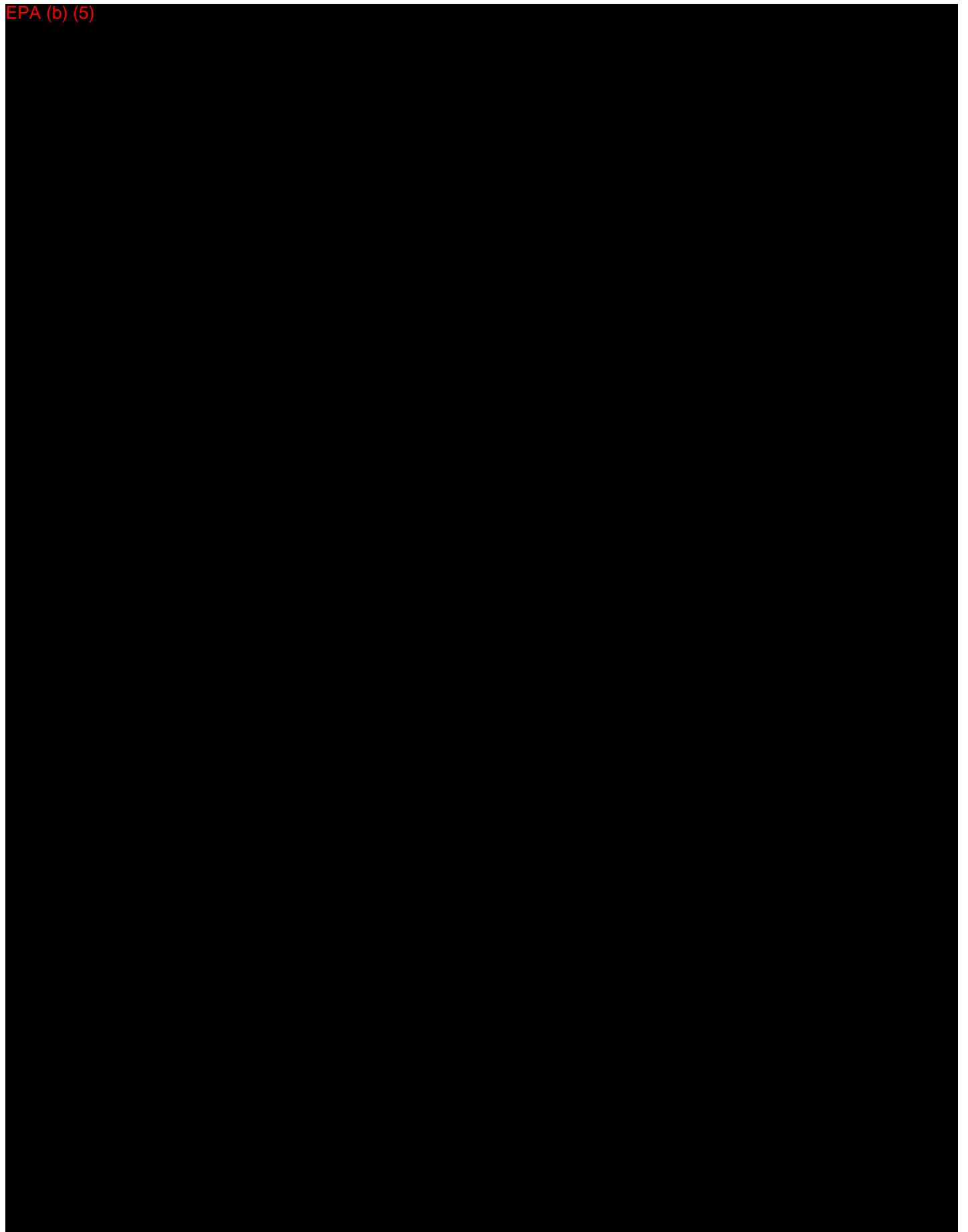
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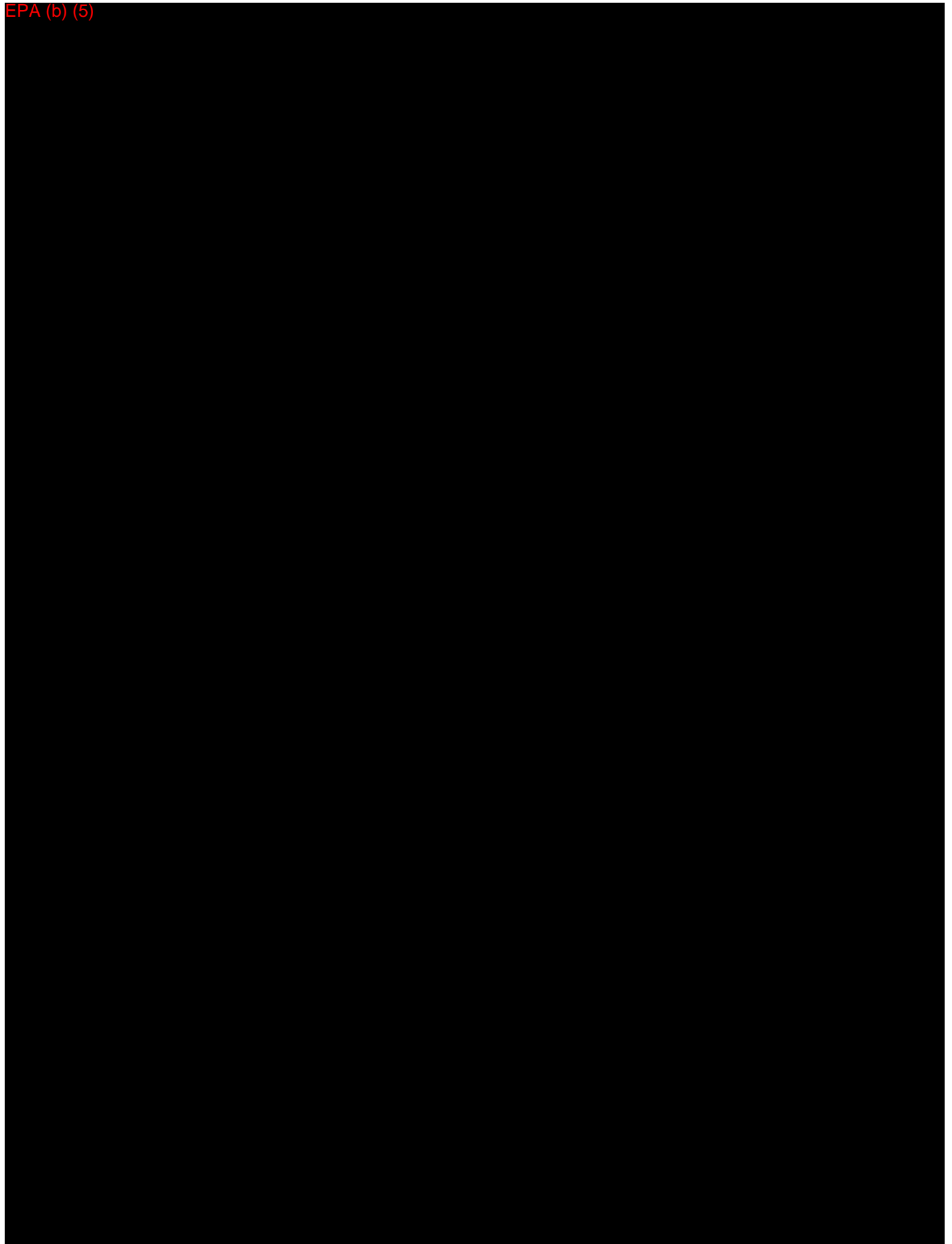
# Current “M” pathway



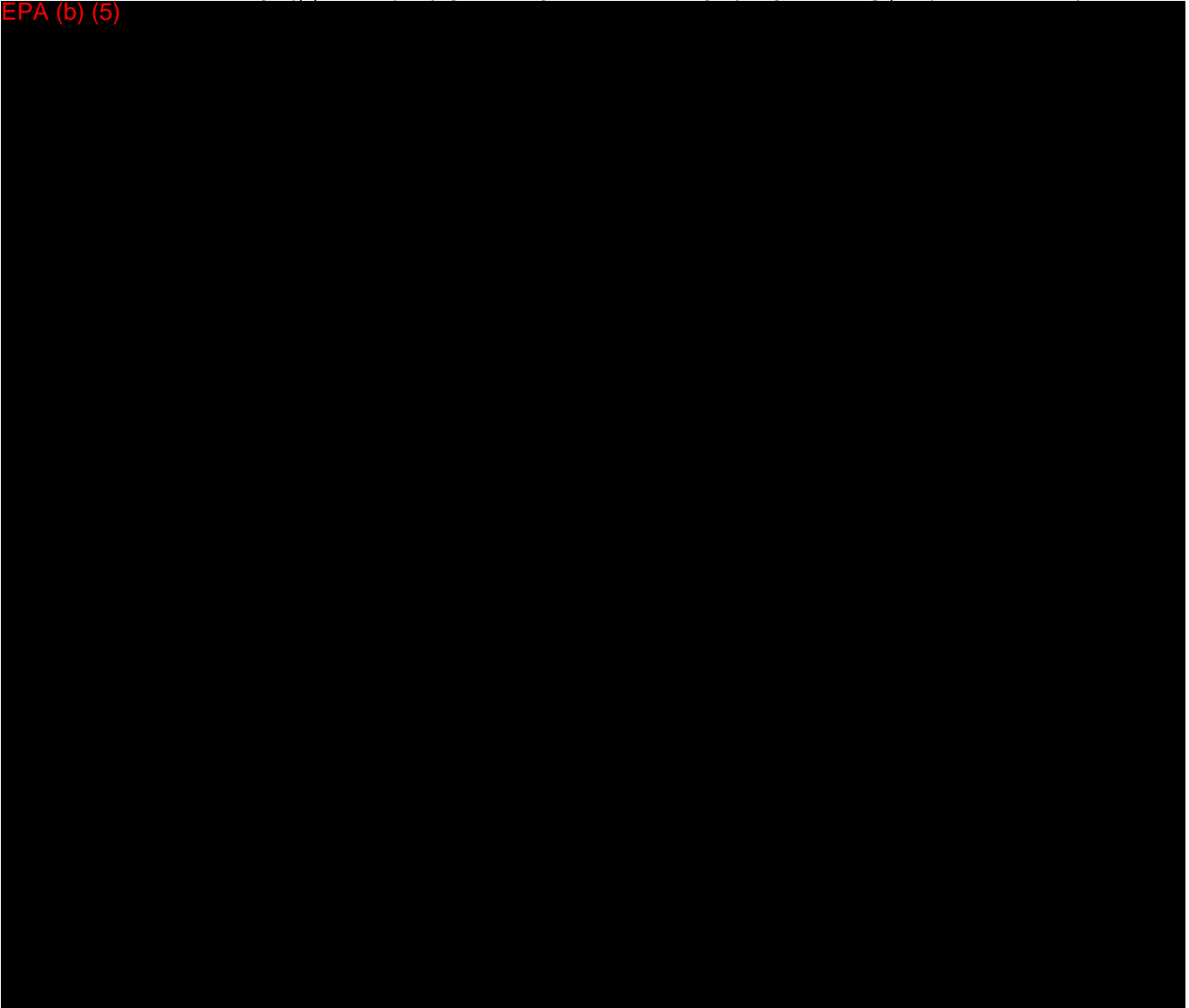
EPA (b) (5)



EPA (b) (5)



EPA (b) (5)



**To:** Argyropoulos, Paul[Argyropoulos.Paul@epa.gov]  
**From:** Wendy Siminski  
**Sent:** Thur 4/10/2014 6:37:53 PM  
**Subject:** [eBook] BIO 2014 a Complete Guide to San Diego

Join 15,000+ in San Diego all day Tues - Thurs

# Plan Your Week at BIO

[Start planning with our Pre-Show Planner eBook](#)

## Monday

Arrival day! Participate in our Golf Tournament or go to the First-Time Attendee Orientation Session. Don't miss the **BIO Welcome Reception on the USS Midway!**

## Tuesday

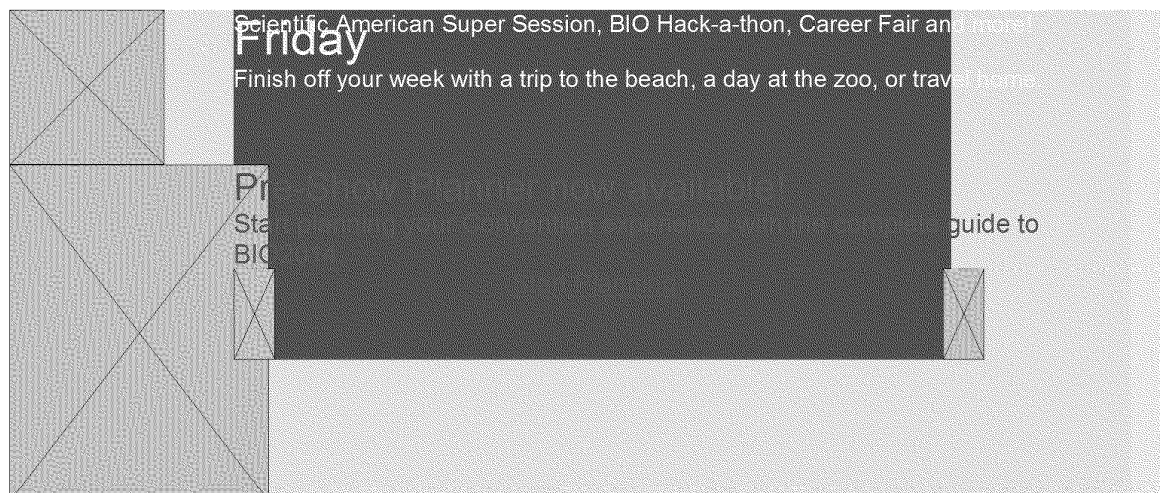
Full day of partnering, education and exhibition! Don't miss the BIG party on the exhibit floor with thousands of your friends—at the **BIO Exhibitor Hospitality Receptions!**

## Wednesday

Continue your education! Attend specialty forums, sessions and attend the Wednesday Keynote Luncheon. End your day across the street at the **BIO Gaslamp Networking Receptions!**

## Thursday

Full day of education and exhibition, 8,000+ partnering meetings, iPad giveaways,



We look forward to seeing you at #BIO2014! After you [register](#), [book housing](#) and [view the schedule](#) to plan your week.

**BIO International Convention**  
June 23-26, 2014 | San Diego, CA

Biotechnology Industry Organization  
1201 Maryland Avenue, SW  
Suite 900  
Washington, DC 20024  
202.962.9200 (p)  
202.488.6301 (f)

This message was intended for: [argyropoulos.paul@epamail.epa.gov](mailto:argyropoulos.paul@epamail.epa.gov)  
You were added to the system January 30, 2009. For more information [click here](#).  
[Unsubscribe](#)

**To:** Argyropoulos, Paul[Argyropoulos.Paul@epa.gov]  
**From:** Larry Schafer  
**Sent:** Thur 4/10/2014 5:48:34 PM  
**Subject:** RE: What time would you like to meet on Friday?

Ok ... see you at 8:30 ...

-----  
Larry Schafer

National Biodiesel Board

O: 202.737.8801

M: 202.997.8072

[LSchafer@Biodiesel.org](mailto:LSchafer@Biodiesel.org)  
-----

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1331 Pennsylvania Ave. NW

Suite 505

Washington DC 20004

**From:** Argyropoulos, Paul [mailto:Argyropoulos.Paul@epa.gov]  
**Sent:** Thursday, April 10, 2014 1:07 PM  
**To:** Larry Schafer  
**Subject:** RE: What time would you like to meet on Friday?

Always OK for Lindsay to join us.....

How about 8:30?

Paul Argyropoulos

Senior Policy Advisor

US EPA

Office of Transportation and Air Quality

Phone: 202-564-1123

Mobile: 202-577-9354

Email: [argyropoulos.paul@epa.gov](mailto:argyropoulos.paul@epa.gov)

Web: [www.epa.gov](http://www.epa.gov)

**From:** Larry Schafer [<mailto:lschafer@biodiesel.org>]  
**Sent:** Thursday, April 10, 2014 12:46 PM  
**To:** Argyropoulos, Paul  
**Subject:** What time would you like to meet on Friday?

Is it ok if I ask Lindsay to join us?

-----

Larry Schafer

National Biodiesel Board

O: 202.737.8801

M: 202.997.8072

[LSchafer@Biodiesel.org](mailto:LSchafer@Biodiesel.org)

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**To:** Argyropoulos, Paul[Argyropoulos.Paul@epa.gov]  
**From:** Larry Schafer  
**Sent:** Thur 4/10/2014 4:45:32 PM  
**Subject:** What time would you like to meet on Friday?

Is it ok if I ask Lindsay to join us?

-----  
Larry Schafer  
National Biodiesel Board  
O: 202.737.8801  
M: 202.997.8072  
[LSchafer@Biodiesel.org](mailto:LSchafer@Biodiesel.org)  
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1331 Pennsylvania Ave. NW  
Suite 505  
Washington DC 20004

**To:** Argyropoulos, Paul[Argyropoulos.Paul@epa.gov]  
**From:** Brent Erickson  
**Sent:** Tue 4/8/2014 5:10:43 PM  
**Subject:** Scaling Up- New Projections Show Biobased & Renewable Tech Will Double by 2017

Dear Paul,

Biorefineries are coming on line this year and Lux Research says that companies with bio-based and renewable chemical technologies are scaling up rapidly to commercial production. Lux projects biobased and renewable chemical intermediates will more than double by 2017! (View the article [here](#))

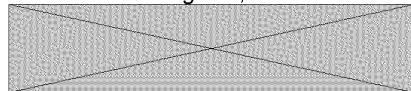
In times like this it's critical for our industry to gather, share ideas and develop partnerships. In addition to our advocacy work, BIO also hosts the **World Congress on Industrial Biotechnology, which will take place May 12-15, 2014** in the chemical hub of Philadelphia.

BIO is going to kick-off the conference on Monday, May 12 with a **special pre-conference policy workshop titled "From the RFS to Tax Reform to Farm Bill Implementation - What Lies Ahead for Advanced Biofuels and Renewable Chemicals?"** The workshop will feature BIO's CEO James Greenwood plus several other notable policy and advocacy experts who will discuss among other issues; RFS policy and outlook, tax credits, and the Farm Bill. All registered attendees can access the workshop and further details can be viewed [here](#).

Also, to get more out of the conference registered attendees can now go to the [BIO One-on-One business partnering site](#) to facilitate meetings during the event. We expect over 1,000 attendees and you can view the list of the registered companies to date below or on the website- [www.bio.org/worldcongress](http://www.bio.org/worldcongress)

I hope that you are able to join us in Philadelphia this May!

Best Personal Regards,



**Brent Erickson**

Executive Vice President  
Industrial and Environmental Section  
Biotechnology Industry Organization  
[www.BIO.org/ind](http://www.BIO.org/ind)

|                                |                                |                               |
|--------------------------------|--------------------------------|-------------------------------|
| Abengoa Bioenergy              | Enzyme Development             | Novasep                       |
| Abiquim                        | Corporation                    | Nova Synthetix                |
| Archer Daniels Midland         | Erber Ag                       | Novici Biotech                |
| Advanced Biocatalytics Corp.   | Estee Lauder                   | Novozymes                     |
| Advancebio Systems, LLC        | Eurodia Industrie S.A.         | Novus International           |
| Agritechnology Pty Ltd         | Evernu Technology, LLC         | Nucleus Group                 |
| Agrividia, Inc.                | Evolva SA                      | Nucelis Inc.                  |
| Agroenergy Nacional            | Evonik Degussa GmbH            | Oak Ridge National            |
| Research Center (EMBRAPA       | Far Eastern New Century        | Laboratory                    |
| Agroenergia)                   | Corporation                    | Ohio State University         |
| Ajinomoto North America        | Farmatic Inc.                  | Oklahoma Department of        |
| AkzoNobel                      | Ford                           | Commerce                      |
| Alberta                        | Flavia                         | Omega Cat System              |
| Alberta Agricultural and Rural | Flavor & Extract Manufacturers | Omni Tech International, Ltd. |
| Development                    | Association (FEMA)             | On-Point Capital              |
| Alberta Innovates Bio          | Fluid Imaging Technologies     | Ontario Agri-Food             |
| Solutions                      | Forest Products Association of | Technologies                  |
| Alfa Laval                     | Canada                         | Ontario Genomics Institute    |
| Allergan                       | FP Innovations                 | Ontario Ministry of           |
| Allylix, Inc.                  | GEA Group                      | Agriculture, Food & Rural     |
| Alpine Group                   | Georgia-Pacific                | Affairs                       |
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| Amyris                         | Genedata                       | Oregon State University       |

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BE Basic Foundation  
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Benz Technology  
International, Inc.  
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| Cornell University                           | Genomatica, Inc.                          |
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| Coskata, Inc.                                | GenScript Corporation                     |
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| Departamento de Industria Quimica            | Great LakesBioenergy                      |
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| Dyadic International, Inc.                   | Horizon Partners Ventures LLC             |
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|  | Invest in Denmark                         |
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Biotechnology Industry Organization  
1201 Maryland Avenue, SW  
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This message was intended for: [argyropoulos.paul@epamail.epa.gov](mailto:argyropoulos.paul@epamail.epa.gov)  
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**To:** Argyropoulos, Paul[Argyropoulos.Paul@epa.gov]  
**From:** Michael.McAdams@hklaw.com  
**Sent:** Tue 4/8/2014 3:21:37 PM  
**Subject:** RE: Request for List of Meeting Participants

Here is the list:

Glenn Johnston, VP Regulatory Affairs, Gevo

Chris Higby, Government Affairs, Honeywell

Jim Anderson, Director Renewable Energy & Chemicals, Honeywell

Marty Fuller, Government Affairs, KiOR

Jonathan Gledhill, Government Affairs, KiOR

Neville Fernandes, Manager Biofuels Components, Neste Oil

Lee Edwards, President & CEO, Virent

Delane Richardson, Technology officer, Chemtex

Michael McAdams, President, Advanced Biofuels Association

**Michael McAdams** | Holland & Knight

**President, ABFA**  
Sr Policy Advisor  
800 17th Street, NW Suite 1100 | Washington DC 20006  
Phone 202.469.5140 | Fax 202.955.5564  
[michael.mcadams@hklaw.com](mailto:michael.mcadams@hklaw.com) | [www.hklaw.com](http://www.hklaw.com)

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**From:** Argyropoulos, Paul [mailto:Argyropoulos.Paul@epa.gov]  
**Sent:** Tuesday, April 08, 2014 8:57 AM  
**To:** McAdams, Michael J (WAS - X75140)  
**Subject:** Request for List of Meeting Participants

Hi Mike,

I hope all is well. Just trying to prep for tomorrow's meeting. Can you please send me a full list of your participants for tomorrow's meeting?

Thanks.

Also, need to set up a time to chat. I'm out next week but hopefully the following week we can grab some time???

Best, Paul

Paul Argyropoulos

Senior Policy Advisor

US EPA

Office of Transportation and Air Quality

Phone: 202-564-1123

Mobile: 202-577-9354

Email: [argyropoulos.paul@epa.gov](mailto:argyropoulos.paul@epa.gov)

Web: [www.epa.gov](http://www.epa.gov)

---

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**To:** Argyropoulos, Paul[Argyropoulos.Paul@epa.gov]  
**From:** Michael.McAdams@hklaw.com  
**Sent:** Tue 4/8/2014 1:33:12 PM  
**Subject:** RE: Request for List of Meeting Participants

Paul. Will get you a list over this morning. I look forward to having a chance to sit down and catch up. I will wear my new fishing jacket.

**Michael McAdams** | **Holland & Knight**  
Sr Policy Advisor  
800 17th Street, NW Suite 1100 | Washington DC 20006  
Phone 202.469.5140 | Fax 202.955.5564  
[michael.mcadams@hklaw.com](mailto:michael.mcadams@hklaw.com) | [www.hklaw.com](http://www.hklaw.com)

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**From:** Argyropoulos, Paul [mailto:Argyropoulos.Paul@epa.gov]  
**Sent:** Tuesday, April 08, 2014 8:57 AM  
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Senior Policy Advisor

US EPA

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Mobile: 202-577-9354

Email: [argyropoulos.paul@epa.gov](mailto:argyropoulos.paul@epa.gov)

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**To:** Korotney, David[korotney.david@epa.gov]  
**Cc:** Burkholder, Dallas[burkholder.dallas@epa.gov]; Argyropoulos, Paul[Argyropoulos.Paul@epa.gov]; Hengst, Benjamin[Hengst.Benjamin@epa.gov]; Machiele, Paul[machiele.paul@epa.gov]  
**From:** Ischafer@dcdiamondgroup.com  
**Sent:** Mon 4/7/2014 7:51:41 PM  
**Subject:** RE: NBB Meeting next week?

David

We can probably get it done in an hour ...

=====

Larry Schafer

t: 202.997.8072

=====

On Apr 7, 2014 3:25 PM, "Korotney, David" <[korotney.david@epa.gov](mailto:korotney.david@epa.gov)> wrote:

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**Sent:** Monday, April 07, 2014 2:46 PM  
**To:** Korotney, David  
**Cc:** Hengst, Benjamin; Argyropoulos, Paul; Burkholder, Dallas; Machiele, Paul  
**Subject:** RE: NBB Meeting next week?

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Can we do Monday the 14th at 1 to 3 pm?

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Thur April 17: 2:00pm - 4:00pm

**From:** Larry Schafer [<mailto:lschafer@biodiesel.org>]

**Sent:** Friday, April 04, 2014 1:05 PM

**To:** Korotney, David; Larry Schafer; Machiele, Paul; Burkholder, Dallas

**Subject:** RE: NBB Meeting next week?

How about Monday or Tuesday the 14<sup>th</sup> or 15<sup>th</sup> ...

Chris is welcome to attend ... but am guessing his schedule is rather full ...

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Larry Schafer

National Biodiesel Board

O: 202.737.8801

M: 202.997.8072

L.Schafer@Biodiesel.org

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**From:** Ischafer@dcdiamondgroup.com  
**Sent:** Mon 4/7/2014 7:38:32 PM  
**Subject:** RE: NBB Meeting next week?

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**To:** Argyropoulos, Paul[Argyropoulos.Paul@epa.gov]  
**From:** Michael.McAdams@hklaw.com  
**Sent:** Fri 4/4/2014 6:58:02 PM

Paul: Have you recently heard from Algenol with respect to fuel cert? I am supposed to be helping them and am waiting for information from them. Thanks.

**Michael McAdams** | Holland & Knight  
Sr Policy Advisor  
800 17th Street, NW Suite 1100 | Washington DC 20006  
Phone 202.469.5140 | Fax 202.955.5564  
[michael.mcadams@hklaw.com](mailto:michael.mcadams@hklaw.com) | [www.hklaw.com](http://www.hklaw.com)

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**Cc:** Machiele, Paul[machiele.paul@epa.gov]; Burkholder, Dallas[burkholder.dallas@epa.gov];  
Argyropoulos, Paul[Argyropoulos.Paul@epa.gov]; Hengst, Benjamin[Hengst.Benjamin@epa.gov]  
**From:** Larry Schafer  
**Sent:** Fri 4/4/2014 5:18:31 PM  
**Subject:** RE: NBB Meeting next week?

Thanks ... let me check with my team ... and will get back to you.

Thanks David ...

-----  
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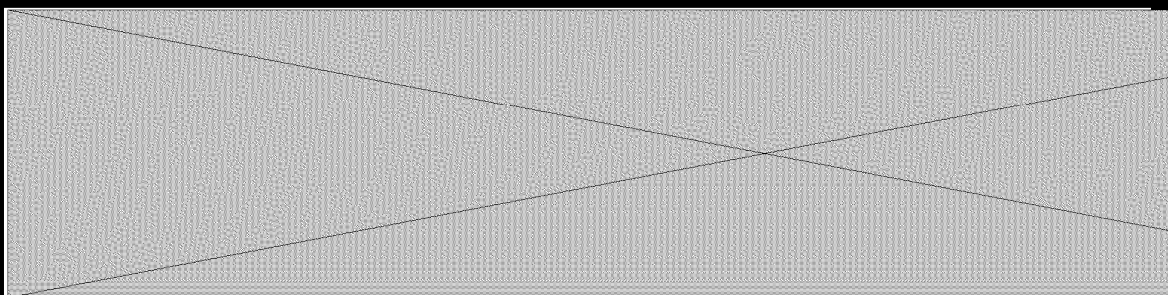
1331 Pennsylvania Ave. NW

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Washington DC 20004



**To:** Argyropoulos, Paul[Argyropoulos.Paul@epa.gov]  
**From:** BIO Industrial & Environmental News  
**Sent:** Fri 3/28/2014 2:00:45 PM  
**Subject:** Industrial Biotech News Clips March 2014



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## Biofuels

**Biofuels Digest (March 16, 2014)** [A Tax Boost for Advanced Biofuels- Op-ed by Brent Erickson, BIO's VP, Industrial & Environmental Section](#)

Advanced biofuels companies are in the process of constructing first of a kind cellulosic biofuel facilities this year. Fortunately, the Administration's budget for 2014 contains a proposal for a nearly 10-year extension of the advanced biofuel tax credit, which was first adopted by Congress in 2007. By contrast, the budget proposal from the chairman of the House Ways and Means Committee seeks to repeal the tax credit.

**Biofuels International (February 28, 2014)** [\\$90 million ethanol plant in Australia on verge of acceptance](#)

The recent free trade agreement between Australia and Korea has strengthened the proposal for a \$90 million (€65 million) ethanol plant to be constructed in New South Wales, Australia.

**Wall Street Journal (March 3, 2014)** [EPA Sets New Gasoline Standards](#)

The Environmental Protection Agency on Monday issued long-awaited rules to cut the sulfur content of gasoline by 67% in 2017, and to reduce tailpipe emissions in cars and pickups starting in the 2017 model year.

**Biofuels International (March 12, 2014)** [USDA Financially Back Advanced Biofuel Production](#)

The US Department of Agriculture (USDA) is investing almost \$60 million (€43 million) in the production of advanced biofuels. The Advanced Biofuel Payment Programme, established in the 2008 Farm Bill and again supported in the recently signed 2014 Farm Bill, is delivering the funding. The money will be made in payments to 195 advanced biofuel producers.

**ASTM International News Release (March 19, 2013)** [ASTM International Invites Interested Parties to Organizational Meeting for Industrial Biotechnology Standardization Activity](#)

ASTM International, at the request of the Society of Chemical Manufacturers and Affiliates (SOCMA), will hold an organizational meeting to explore the establishment of a new ASTM standards development activity for industrial biotechnology. The no-fee meeting is scheduled for Tuesday, April 15, 2014, and will take place at ASTM's headquarters in West Conshohocken, Pa.

## Renewable Specialty Chemicals, Biobased Products, and Synthetic Biology

**Herald Online (March 13, 2014)** [BIO Announces DuPont CEO Ellen Kullman to Receive the 2014 BIO George Washington Carver Award](#)

The Biotechnology Industry Organization (BIO) named DuPont Chair & CEO Ellen Kullman as the recipient of its 2014 [George Washington Carver Award](#) for innovation in industrial biotechnology. Kullman is the first woman to receive the honor, which has been awarded annually since 2008.

**Biofuel Biobased Chemicals (March 25, 2014)** [The 10 Hottest Trends in Algae](#)

ing has been touted as the ultimate platform for fuels, chemicals, pharmaceuticals, proteins — even cancer therapies. In today's Digest, we've identified the Top 10 Trends that should be commanding your attention.

**BioPrepWatch (February 26, 2014)** [Experts say synthetic biology makes bioterrorism more accessible](#)

Biodefense and counter-terrorism experts Patrick Rose and Adam Bernier said on Monday that advancements in synthetic biology could give more options to organizations that want to develop and pursue biological weapons.

**Chemical & Engineering News (March 3, 2014)** [Spider Silk Poised For Commercial Entry](#)

Biotech firms overcome technical challenges to make fiber stronger than steel and tougher than Kevlar.

**Fort Mill Time (March 4, 2014)** [BIO Honors Senator Stabenow as Legislator of the Year](#)

The Biotechnology Industry Organization (BIO) today presented Sen. Debbie Stabenow (D-Mich.) the BIO Legislator of the Year award. As Chairwoman of the Senate Committee on Agriculture, Senator Stabenow successfully championed reauthorization of Farm Bill energy programs and expanded them to include renewable chemicals.

**R&D Magazine (March 11, 2014)** [Small biomass power plants could help rural economies, stabilize national power grid](#)

As energy costs rise, more Americans are turning to bioenergy to provide power to their homes and workplaces. Now, Univ. of Missouri researchers have found that creating a bioenergy grid with these small plants could benefit people in rural areas of the country as well as provide relief to an overworked national power grid.

**NanoWerk (March 11, 2014)** [When urban waste become bioplastics](#)

Bacteria may be the key to produce useful bioplastics from the gasification of urban waste. Now, the Synpol project, funded by the EU and due to be completed in 2016, has found ways to "employ" bacteria to ferment such gases to produce bioplastics.

**Biobased Digest (March 17, 2014)** [Lesaffre launches spinoff for value-added fermentation solutions](#)

In France, Lesaffre announced the launch of Leaf Technologies. Leaf Technologies will focus on the worldwide sales and market development of value-added fermentation solutions for fuel ethanol and bio-based chemicals producers.

**Advanced Biofuels (March 18, 2014)** [EPA Calls for 2014 Presidential Green Chemistry Challenge Award Nominations / New Green Chemistry Technologies Promote New Products and Markets](#)

The U.S. Environmental Protection Agency (EPA) is asking companies or institutions to nominate their innovative technologies for the 2014 Presidential Green Chemistry Challenge Awards. EPA is looking for nominations from companies and institutions that have developed safer chemical processes and products that may reduce the generation and use of chemicals that are hazardous to people's health and the environment.

## Industrial and Environmental Section Member News

**Des Moines Register (February 23, 2014)** [New ethanol industry blooms in Iowa, but it could soon be uprooted](#)

Three big U.S. production plants will begin making the next generation of biofuels this year - two of them in Iowa. But a proposed rule change could cut demand.

**Oil Trends (February 27, 2014)** [BioAmber, Vinmar Sign BDO Take-or-Pay Contract](#)

BioAmber Inc. (BIOA), an industrial biotechnology company that manufactures sustainable chemicals, recently signed a take-or-pay contract for bio-based 1,4-Butanediol (BDO) with Vinmar International. Under the 15-year master off-take contract, Vinmar has committed to buy 100% of the BDO produced in a 100,000 ton per year capacity plant which BioAmber plans to commission in 2017, in North America. Vinmar also plans to invest in the BDO plant with a minority equity stake of 10%.

**Biomass Magazine (March 5, 2014)** [The Year is Here](#)

In the advanced biofuels arena, no cellulosic ethanol projects have been watched more closely than those being built by Poet-DSM Advanced Biofuels, Abengoa Bioenergy and DuPont Industrial Biosciences. Together, these cellulosic ethanol plants rise from the plains and fields, acting as beacons to the advanced biofuel industry that is just pulling its ship to shore.

**The Wall Street Transcript (March 5, 2014)** [Solazyme Inc \(SZYM\) to Scale Up Two Plants in 2014](#)

The "name of the game" this year for Solazyme will be scaling up one plant in the United States and another in Brazil, according to Raymond James & Associates, Inc., Analyst Pavel Molchanov. For time being, Molchanov

**Bloomberg (March 12, 2014)** [Senomyx Approval to Let PepsiCo Use Sweetmyx Enhancer](#)

Sweetmyx, a new ingredient by Senomyx Inc. received approval for foods and beverages, clearing the way for PepsiCo Inc. to use it to make lower-sugar beverages taste sweeter.

**Food Production Daily (March 14, 2014)** [Coca-Cola PET preform partner to open plastics recycling centre](#)

Manjushree Technopack, which manufactures PET preforms for Coca-Cola and PepsiCo in India, is setting up a Plastics Recycling Innovation Centre (PRIC).

**Nexsteppe (March 18, 2014)** [Alternative Crops for More than Just Biofuel](#)

Energy grasses can be used as feedstocks for bioenergy and biochemicals, as well as biofuels. So, while the future of the Renewable Fuels Standard, and consequently the demand for energy grasses for advanced biofuel production, remain uncertain, developers are undeterred. Lux Research has reported that more than 1 billion metric tons of biomass per year would be needed to replace just 3% of total petroleum products.

**Biofuels Digest (March 23, 2014)** [Rennovia and Johnson Matthey Davy Technologies to collaborate for glucaric acid, adipic acid project](#)

In California, Rennovia and Johnson Matthey Davy Technologies have announced a collaboration to develop, demonstrate, and commercialize catalytic process technologies for the production of bio-based glucaric acid and adipic acid.

## Industry Events Calendar

### **International Conference on Bio-based Materials- April 8-10, 2014- Cologne**

This conference aims to provide major players from the European bio-based chemicals, plastics and composite industries with and opportunity to present and discuss their latest developments and strategies. More than 200 participants and 20 exhibitors are expected. [biowerkstoff-kongress.de](http://biowerkstoff-kongress.de).

Plus- The international business directory iBIB2014/15 enables industrial suppliers and customers to reach out with one another and will be published this spring. Use this chance to present your company, products and services to almost 61,000 potential clients from all over the world. The the code BIO in to receive a 10% discount by March 31. [Learn more.](#)

### **ABLC- the Advanced Biofuels & Biochemicals Leadership Conference-April 21-13, 2014, Washington**

ABLC is the world's largest advanced biofuels event — focusing on policy, technology, financing, feedstock, and partnership trends. ABLC has been the launch site for many historic industry agreements, and technologies. [advancedbiofuelssummit.com](http://advancedbiofuelssummit.com).

### **Biopolymers Symposium – May 12-13, 2014- Philadelphia**

This market leading event will bring together the key innovators and decision makers in the bioplastic and non-plastic biopolymers industry to examine new technologies and materials, market trends, and developments in applications, guidelines and waste strategies for the biopolymers industry. [biopolymersummit.com](http://biopolymersummit.com).

### **BIO World Congress on Industrial Biotechnology- May 12-15, 2014- Philadelphia**

The BIO World Congress on Industrial Biotechnology is the world's largest industrial biotechnology event for business leaders, investors, and policy makers in biofuels, biobased products, and renewable chemicals. [View the list of 300+ attending](#)

organizations-Registration is now open: [bio.org/worldcongress](http://bio.org/worldcongress).

***European Forum for Industrial Biotechnology-September 30- October 2, 2014- Reims***

EFIB is the premier marketplace for the European biobased economy and will increase engagement between industry, policy makers and stakeholders. This unmissable event is a must for all those wanting to take part in defining, developing and shaping this burgeoning smart and sustainable sector. [efibforum.com](http://efibforum.com)

***ABLCNext - November 9-11, 2014-San Francisco***

ABLCNext focuses on rapidly emerging technologies and feedstocks, including novel molecules, new crops, hybrids and residues. [advancedbiofuelssummit.com](http://advancedbiofuelssummit.com).

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Biotechnology Industry Organization  
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Suite 900  
Washington, DC 20024  
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202.488.6301 (f)

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You were added to the system January 30, 2009. For more information  
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**To:** Argyropoulos, Paul[Argyropoulos.Paul@epa.gov]  
**From:** BIO Newsletter  
**Sent:** Thur 3/27/2014 4:23:52 PM  
**Subject:** BIO Newsletter: March 27, 2014

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03.27.2014

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#### 2014 BIO INTERNATIONAL CONVENTION

### Sir Richard Branson to Participate in Keynote Lunch Interview



Sir Richard Branson will be joining us to participate in a keynote lunch interview at the BIO International Convention in June. As founder of the Virgin Group, Sir Richard is one of the most innovative and creative businessmen of our generation. He's the only person in the world to have built seven billion-dollar companies from scratch in seven different completely different sectors...

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#### COMPASSIONATE USE

### Washington Post: Crowdsourcing Medical Decisions

The Food and Drug Administration has rules for expanded access or compassionate use, but Eunjung Cha points out that the program remains limited. Since 2009, the agency has approved an average of 1,030 applications each year...

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#### HEALTH

### BIO Releases Principles on Clinical Trial Data Sharing

BIO members are committed to

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building upon the routine publication of clinical research results and ongoing collaborations with academic and government researchers in order to support additional efforts to improve public health...

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## HEALTH

### **New Analysis Shows Most 340B Hospitals Provide Little Charity Care**

A new 340B analysis released by the Alliance for Integrity and Reform of 340B (AIR 340B) indicates that a substantial portion of hospitals enrolled in the 340B program provide only a minimal amount of charity care...

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## FOOD AND AGRICULTURE

### **A Great Iowan Remembered**



Dr. Norman Borlaug was honored for his contributions to the field of agriculture and his effort to eradicate world hunger as his statue was unveiled at the National Statuary Hall in the U.S. Capitol. Norman Borlaug would have been 100 years old, but his legacy still carries on...

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## BIOSIMILARS

### **Governor Pence Signs Bill Granting Patient Access to Interchangeable Biologic Medicines**

Vaccines are a critical tool in protecting and promoting the public health in the U.S. and around the world. The risks from childhood diseases like measles, mumps and polio have been greatly reduced, or in the case of polio, eliminated in the United States...

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## RENEWABLE FUEL STANDARD

### **Obama Administration Proposal for 2014 Renewable Fuel Standard Will Increase Greenhouse Gas Emissions**

Obama Administration Proposal for 2014 Renewable Fuel Standard Will Increase Greenhouse Gas Emissions If left unchanged, the Obama administration's proposal

[to slash use of biofuels in 2014 would increase emissions of greenhouse gases next year...](#)

**INDUSTRIAL BIO TECHNOLOGY**

## **2014 BIO George Washington Carver Award**

[BIO announced DuPont CEO Ellen Kullman will receive the 2014 BIO George Washington Carver Award at the annual World Congress on Industrial Biotechnology. Kullman will be the first woman to receive the honor, which has been awarded annually since 2008...](#)

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**RENEWABLE FUEL STANDARD**

## **A Stable RFS Means U.S. Energy Independence**

[The recent military actions carried out by Russia in the Ukraine should remind the U.S. how easily oil can become an unreliable, expensive source of energy...](#)

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**BIO INTERNATIONAL CONVENTION**

## **Always Learning: Networking Opportunities at the BIO International Convention**

[Our convention has always been about helping people and businesses identify opportunities – and with these new features it will be easier than ever...](#)

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**BIO ASIA INTERNATIONAL CONFERENCE**

## **Partner with Top Asian Biopharma Executives at BIO Asia**

[On April 8-9, 2014, a diverse group of innovative companies and Japanese dealmakers will come together in a collaborative setting for partnering meetings, company presentations, networking and targeted programming at the 11th annual BIO Asia International Conference...](#)

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**BIO INTERNATIONAL CONVENTION**

## **Bracket Time: Going with Your Head or Your Heart?**

[It is a big week for college basketball fans. The NCAA selection committee has made its picks. The play-in round \(and much of the second round\) of the NCAA has been set – and it is time to finalize those brackets...](#)

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**GMO ANSWERS**

## **A Lack of Correlation Between Herbicide Glyphosate and Celiac Disease**

[A recent review article published by Samsel and Seneff, argued for a possible link between the incidence of celiac disease in the United States and the use of the herbicide glyphosate...](#)

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**MINNESOTA**



## **Executive Changes at LifeScience Alley**

After ten years at helm, Dale Wahlstrom has announced his retirement from LifeScience Alley and The BioBusiness Alliance of Minnesota...

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2014 BIO INTERNATIONAL CONVENTION

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2014 BIO INTERNATIONAL CONVENTION



### Location Matters: San Diego, the NCAA Basketball Tournament and #BIO2014

San Diego gets to host both the 2nd and 3rd round of the tournament – and the BIO International Convention...

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HEALTH CARE

### Vaccine:

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### Vaccines: Cold Case

At the upcoming BIO International Convention, vaccines experts will come together to discuss key infectious diseases for which preventive vaccines have eluded researchers...

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### Corporate-Sponsored University Research Valuable for Further Innovation

INDUSTRIAL BIOTECHNOLOGY



New research published in Nature, Technology Transfer: Industry-funded academic inventions boost innovation, provides data undermining "assumptions that corporate-funded academic research is less accessible and useful to others."

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**Advanced Biofuel Producers Are Reaching Milestones in Commercial Development**

BIO announced the Advanced Biofuels and Biorefinery Platforms Track Sessions to be showcased at its annual World Congress on Industrial Biotechnology...

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**The International Foundation for Awareness**

Years ago, lack of understanding of multiple myeloma for "Myeloma Awareness" Share:  

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## **The International Myeloma Foundation Pioneers Myeloma Awareness Month**

Years ago, after much frustration over the lack of understanding and awareness of multiple myeloma, the International Myeloma Foundation declared March as "Myeloma Awareness Month"...

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The BIO Asia International Conference is an exclusive, customized partnering forum that brings together U.S. and European drug development companies with Asian biotech and pharmaceutical companies...

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### **Legislative Day Fly-In 2014**

Once a year, BIO hosts the Legislative Day Fly-In, inviting biotechnology executives from across the country to come to Washington D.C. for a day and a half of legislative briefings and advocacy...

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### **BIO IP Counsels Committee Conference**

The biannual BIO Intellectual Property Counsels Committee Conference offers timely, relevant educational sessions on the latest issues in the biotech IP sector, informal networking events designed to promote discussion and foster relationships among industry colleagues, and practical tips for attendees to use the next day...

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## **World Congress on Industrial Biotechnology**

The BIO World Congress on Industrial Biotechnology is the world's largest industrial biotechnology event for business leaders, investors, and policy makers in biofuels, biobased products, and renewable chemicals...

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## **BIO Executive Training Programs**

The Business Development Basics and Advanced Business Development courses support the activity that takes place at our partnering, investor and venture capital conferences each year by training individuals who are making the deals that drive this industry...

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## **BIO International Convention**

The largest, most influential biotech meeting in the world is coming to San Diego, June 23 – 26, 2014, offering four days of career-boosting opportunities—from targeted education sessions and specialty forums to BIO One-on-One Partnering™ meetings with thousands of companies. Join the global biotech community at BIO 2014...

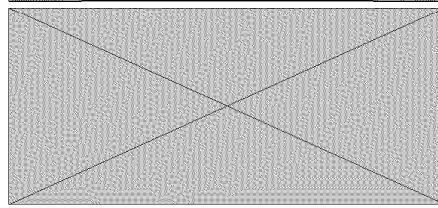
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## **Livestock Biotech Summit**

This unique conference offers a focus on genetic engineering of agricultural animals including benefits, research and development, regulatory system, and challenges to advancing health, food and industrial applications of animal biotechnology...

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Sir Richard Branson is keynoting at #BIO2014! That's going to be amazing--he's just so interesting. What do you wish you could ask him?  
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HA! That's right, good stuff! 5 GMO Products You Didn't Realize are GMOs...  
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The Way The U.S. Teaches Science Doesn't Work. In 2012, a shocking 69 percent of American high-school graduates failed to meet college-readiness benchmarks in science. And in a 2010 paper about...

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